

External Job Advertisement Reg.-Nr. 5-7697/26-D

Modern, interconnected, conscious of tradition: Martin Luther University Halle-Wittenberg (MLU) is the oldest and largest university in the State of Saxony-Anhalt with a history dating back more than 500 years. Today more than 20,000 students are enrolled at MLU.

Within the project Thera4Age, the Martin-Luther-University Halle-Wittenberg, Faculty of Natural Sciences II, Institute of Physics, is seeking to fill a fixed-term, full-time position of

Research assistant / Postdoc (m-w-d)

starting from 01.11.2026. The position is currently limited until 31.12.2027.

The salary will be up to Entgeltgruppe 13 TV-L, if the personal requirements and tasks are fulfilled.

The Thera4Age collaborative research project - Innovative therapeutic concepts for age-associated diseases - uses a translational approach to develop and preclinically test therapeutic strategies for several showcases of age-associated diseases. To this end, working groups from various scientific and medical disciplines are jointly exploring, e.g., new drug delivery systems/medical product candidates, testing diagnostic tools and evaluating promising molecular targets.

Tasks:

- Development of novel methods for functional and molecular photoacoustic tomography of vascular diseases
- Method development from basic research to in vivo applications
- Establishment and validating novel imaging protocols for quantitative imaging of vascular markers and morphologies *in vivo*
- Publication of scientific results in peer-reviewed journals

Requirements:

- Completed university degree in the field of medical physics, physics, physical chemistry, or an equivalent discipline
- Completed doctoral degree (Ph.D.) in the field of medical physics, physics, physical chemistry, or an equivalent discipline
- Expertise or experience in biomedical imaging, optics, ultrasound/acoustics, signal and image processing, programming
- Ability to work independently within an interdisciplinary team, self-management and organisational skills
- Excellent written and spoken English, and a willingness to learn German

Application of disabled candidates with equivalent qualification will be given priority. Women are particularly encouraged to apply. Applicants with a foreign qualification have to show the statement of comparability for foreign higher educational qualification issued by the Central Office for Foreign Education/Zentralstelle für ausländisches Bildungswesen (<https://www.kmk.org/zab/central-office-for-foreign-education>).

For more information please contact Prof. Jan Laufer, Tel.: 0345 55-25400, E-Mail: jan.laufer@physik.uni-halle.de.

Please submit your full application exclusively as one pdf file including the usual documents (letter of motivation, CV, certificates, and 2 references) with reference to Reg.-Nr. 5-7697/26-D until 24.08.2026 via e-mail to Prof. Jan Laufer, E-Mail: jan.laufer@physik.uni-halle.de.

This announcement is depending on fund availability and any possible budget restriction. Application expenses cannot be reimbursed by the Martin-Luther-University.